

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2 NAME OF OPERATOR

CHUSKA ENERGY COMPANY

3 ADDRESS OF OPERATOR

P. O. BOX 2118, FARMINGTON, NEW MEXICO 87499

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

2140' FSL & 600' FWL

At proposed prod zone

SAME

11 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT
(Also to nearest drill unit line, if any)

NOV 04 1985

NO OF ACRES IN LEASE

5420

16 DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL DRILLING COMPLETED
OR APPLIED FOR, ON THIS LEASE, FC

18 PROPOSED DEPTH

5900'

DIVISION OF OIL
GAS & MINING

21 ELEVATIONS (Show whether DF, RT, GR, etc)

5008' GR

17 NO OF ACRES ANTICIPATED
TO THIS WELL

40

20 ROTARY OR CABLE TOOLS

ROTARY

22 APPROX DATE WORK WILL START*

December 15, 1985

23 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80	
12 1/4	8 5/8	24.0	1600	See Attached
7 7/8	5 1/2	15.50	5900	

SEE ATTACHED

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL GAS AND MINING

DATE 11/18/85
BY John F. Bae
WELL SPACING 6-3/4

14 ABOVE SPACE DESCRIBE PROPOSED PROGRAM If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

34

SIGNED

JOHN ALEXANDER

TITLE Vice-President

DATE 10/30/85

(This space for Federal or State office use)

PERMIT NO

43-037-31223

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL

WELL NO 13-8

SEC 8, T 42S

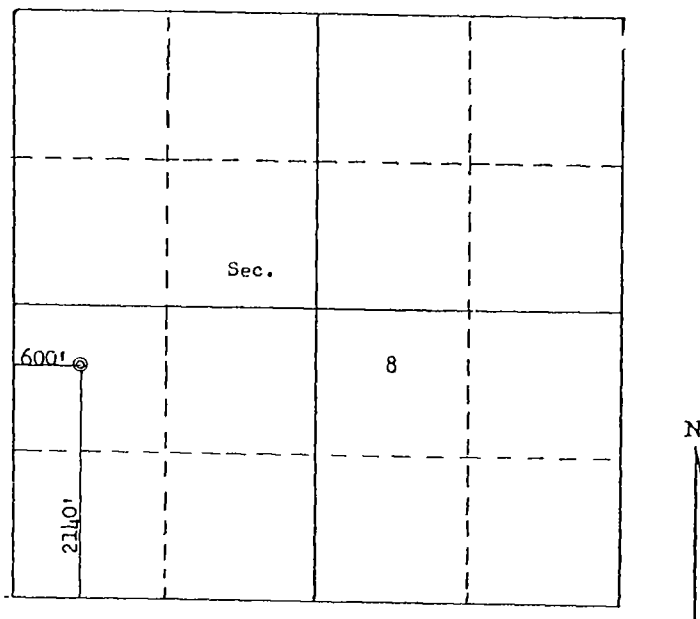
R 25E

County: San Juan

State: Utah

LOCATION 2140' FSL 600' FWL

ELEVATION 5008 ungraded ground



SCALE— INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

WAL:

Fred B. Kery Jr.
Registered Land Surveyor
Fred B. Kery Jr.
#3950

SURVEYED September 30 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tribal No. 13-8
2140' FSL & 600' FWL
Section 8, T42S, R25E
San Juan County, Utah

1. Surface Formation: Eluff Sandstone

2. Estimated Formation Tops:

Chinle	1510'
DeChelly	2720'
Organ Rock	2966'
Hermosa	4660'
Upper Ismay	5518'
Lower Ismay	5641'
Desert Creek	5697'
T.D.	5900'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil	5697'
-----	-------

4. Proposed Casing Program:

0-80'	13 3/8", 54.5 lb./ft., ST & C J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl ₂ + 1/4 lb. celophane flakes per sack.
0-1600'	8 5/8", 24 lb./ft., ST & C K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl ₂ . Cement will be brought to surface.
0-5900' T.D.	5 1/2", 15.5 lb./ft., ST & C K-55 new casing; cement with 450 cu. ft. 50-50 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. The second stage tool will be at 3000'. Cement will be 750 cu. ft. Class "B" with 4% gel. Cement top at surface.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID USAGE
0-1600'	Gel-lime	35-45	9.0	Not controlled
1600-4000'	Gel-chem	35-45	9.5	15cc
4000-5900'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- Bit float
- Stabbing valve to be used in drill pipe when Kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole: IES, CNL, FDC
Mud: 4000' to T.D.

Testing: Possible in Lower Ismay and Desert Creek.

Coring: None planned.

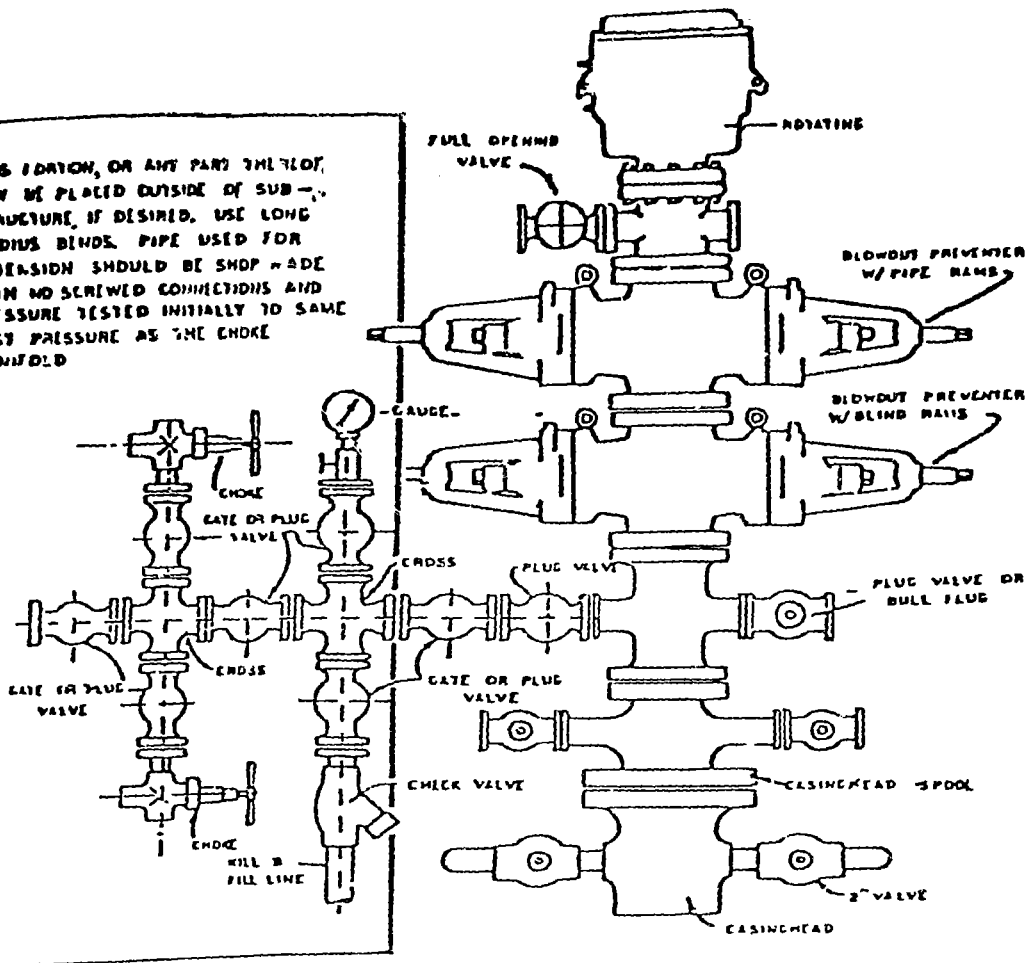
9. Abnormal Temperatures, Pressures or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is December 15, 1985. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-
STRUCTURE, IF DESIRED. USE LONG
RADIUS BENDS. PIPE USED FOR
EXTENSION SHOULD BE SHOP MADE
WITH NO SWELED CONNECTIONS AND
PRESSURE TESTED INITIALLY TO SAME
TEST PRESSURE AS THE CHOKE
ASSEMBLY



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY COMPANY
Navajo Tribal No 13-8
2140' FSL & 600' FWL
Section 8, T42S, R25E
San Juan County, Utah

1 Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county road will bear normal drilling traffic and not have to be upgraded. The secondary road will have to be upgraded for 2.7 miles.

2 Planned Access Road (shown in red)

The new access road will run East from the existing secondary road approximately 4000 feet to the well site. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3 Location of Existing Wells

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4 Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

5 Location and Type of Water Supply

Water will be trucked from the San Juan River, 12 miles North of the location.

6 Source of Construction Materials

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7 Methods of Handling Waste Disposal

All trash will be carried to a land fill or burned. All non burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8 A portable chemical toilet will be supplied for human waste.

9 Ancillary Facilities

No ancillary facilities are planned.

10 Well Site Layout

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.


11 Plans for Restoration of Surface

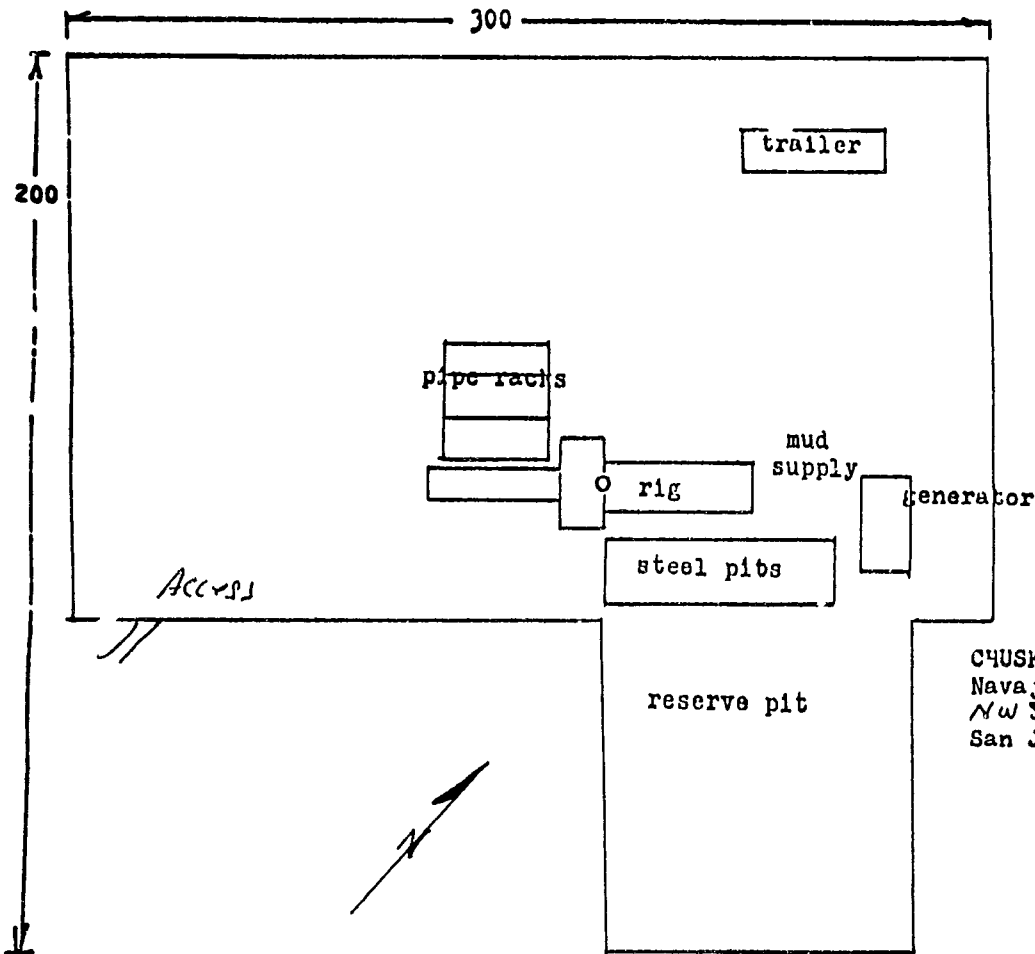
Restoration of the well site and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all non burnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12 This site is on top of White Mesa. The area is very rugged. The access road has been routed to avoid numerous archaeological sites. There are no residences in the area.

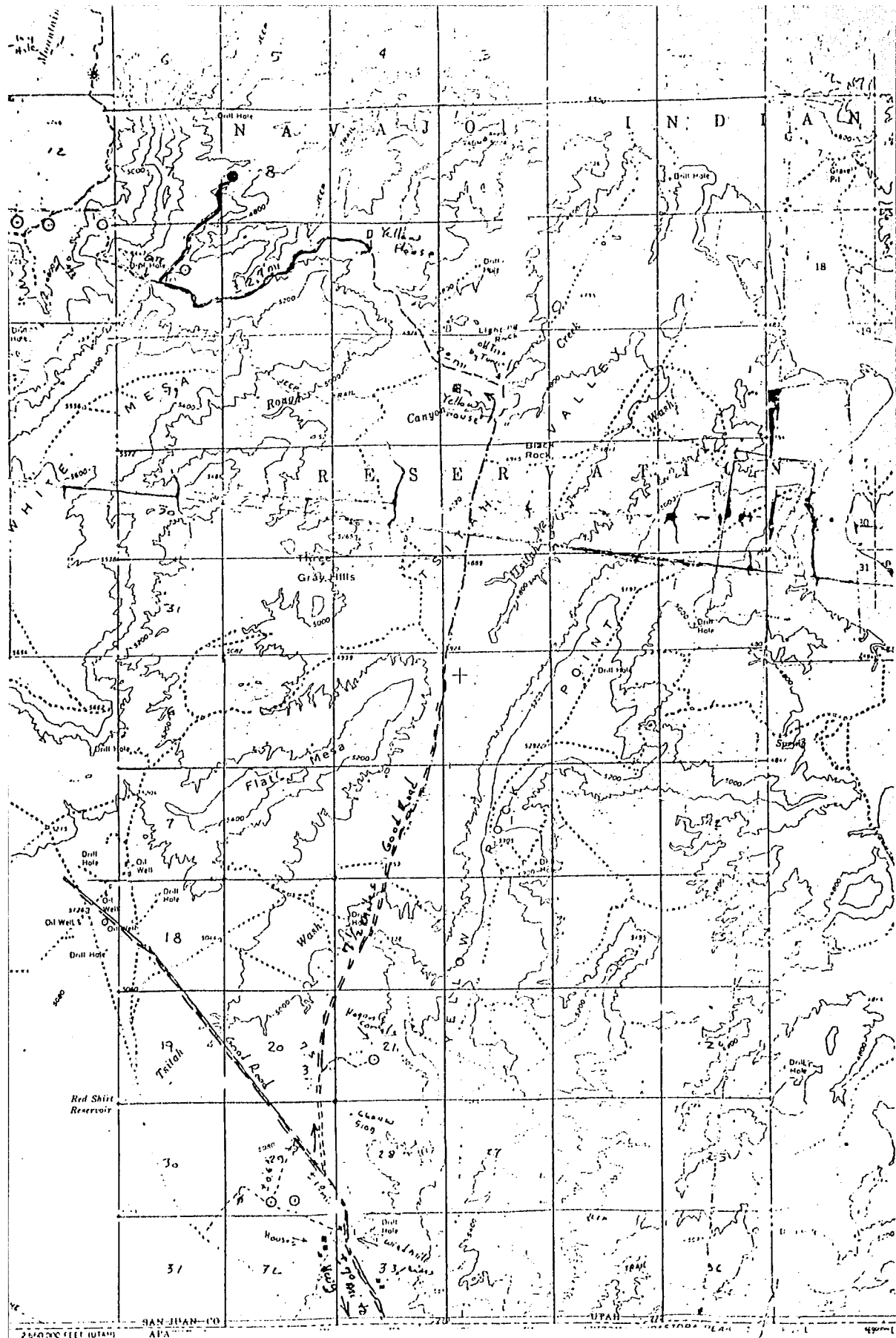
13 John Alexander
CHUSKA ENERGY COMPANY
P O Box 2118
Farmington, New Mexico 87499
(505) 326-5525

14 I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist, that the statements made in the plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Chuska Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


JOHN ALEXANDER
October 30, 1985



CHUSKA ENERGY CO.
Navajo Tribal No 13-8
NW 3w 8-42S-25E
San Juan, Utah



Vicinity Map for
 CHUSKA ENERGY COMPANY #13-8 NAVAJO TRIBAL
 2140' FSL 600' FWL Sec. 8-T42S-R25E
 SAN JUAN COUNTY, UTAH

drawn and published by the Geol
 USGS and USC GS

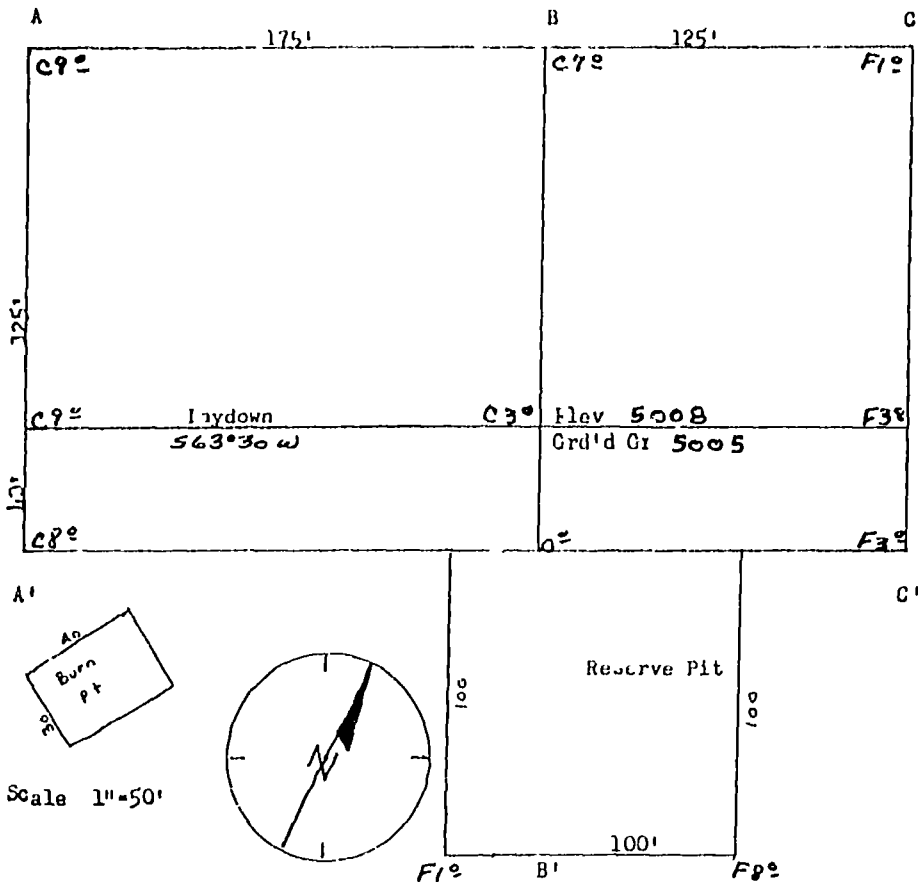
by photogrammetric methods from an
 avar 1959. Field checked 1962

1:62,500 North American 1960

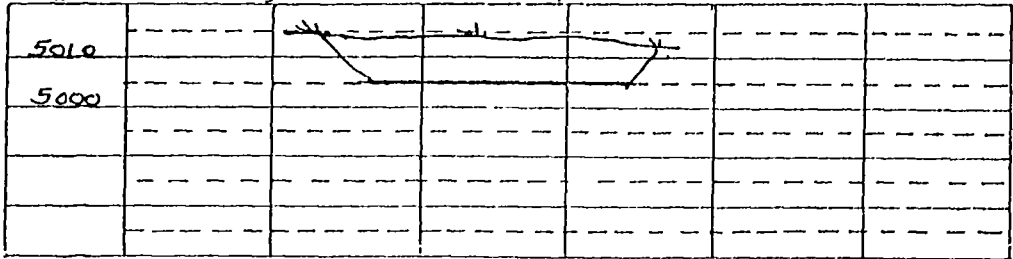
based on UTM 12N 34W 12E

vertical datum is 1929

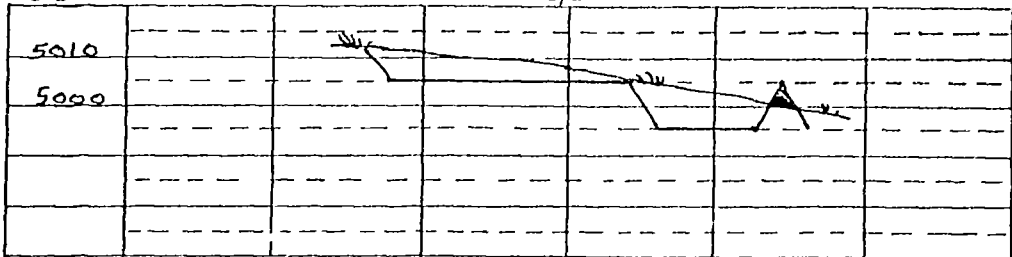
horizontal datum is 1929



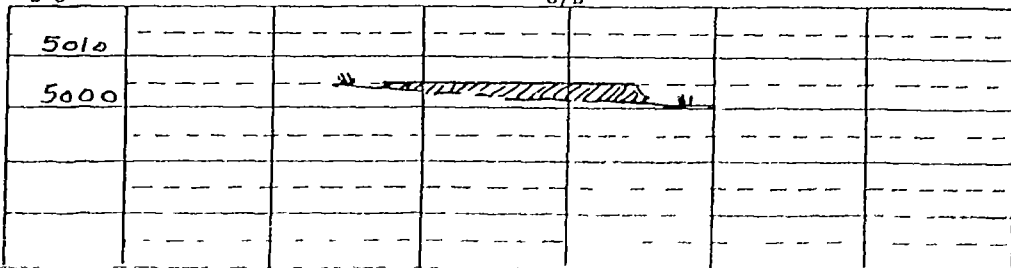
A-A' Vert 1"=30' Horiz 1"=100' C/L



3-3' C/L



U-U' C/L



OPERATOR Chuska Energy Co DATE 11-5-85

WELL NAME Navajo Tribal 138

SEC NWSW 8 T 42S R 25E COUNTY San Juan

43-027-31223
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well in Sec 8

Need water permit

APPROVAL LETTER:

SPACING:



A-3

UNIT



C-3-a

CAUSE NO. & DATE



C-3-b



C-3-c

STIPULATIONS:

1- water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 14, 1985

Chuska Energy Company
P. O. Box 2118
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal 13-8 - NW SW Sec. 8, T. 42S, R. 25E
2140' FSL, 600' FWL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

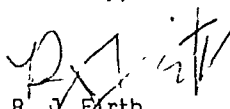
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Chuska Energy Company
Well No. Navajo Tribal 13-8
November 14, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31223.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. J. Farth', with a stylized flourish at the end.

R. J. Farth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Caller Service 4104
Farmington, New Mexico 87499

JAN 25 1987

Chuska Energy Company
P.O. Box 2116
Farmington, NM 87499

Gentlemen:

Reference is made to your Applications for Permit to Drill (APDs) for the following wells:

- ✓ 1. No. 32-18 Navajo Tribal, SW/4SE/4 sec. 18, T. 42 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 2. No. 13-8 Navajo Tribal, NW/4SE/4 sec. 8, T. 42 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 3. No. 41-13 Navajo Tribal, NE/4NE/4 sec. 13, T. 42 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 4. No. 3323-24 Navajo Tribal "A", NW/4SE/4 sec. 24, T. 41 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
- ✓ 5. No. 33-30 Navajo Tribal "A", NW/4SE/4 sec. 30, T. 41 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
6. No. 32-21 Navajo Tribal, SW/4NE/4 sec. 21, T. 40 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 7. No. 13-34 Navajo Tribal "A", NW/4SE/4 sec. 34, T. 40 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
8. No. 44-29 Navajo Tribal "A", SE/4SE/4 sec. 29, T. 43 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.

The subject deficient and unapproved APDs are hereby returned pursuant to 43 CFR 3160 Section III Part B2 of Onshore Order No. 1, which states "If the deficiencies are not corrected and/or the additional required information is not submitted within 45 days of the date of any oral or written notice the application shall be returned to the proponent".

Sincerely,

for John L. [unclear]

Ron Fellows
Area Manager
FOR

6 Enclosures

cc:
ADO (015)
Well files
FSM (Hiner)
3162.3-1

016:JLovato:csn:12/1/86



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangert, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

RECEIVED
FEB 11 1987

February 2, 1987

DIVISION OF
OIL, GAS & MINING

Mr. John Keller
U. S. Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

RECEIVED

FEB 09 1987

Dear Mr. Keller:

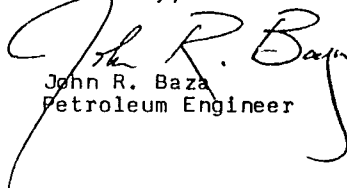
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

RE: Status of Approved Wells

The attached list of wells operated by Chuska Energy Company in San Juan County, Utah was given approval to drill from this office over one year ago. We have received no other information from the company to determine the current status of these wells. We request that you provide us information concerning whether these wells still have approvals pending with the U. S. Bureau of Land Management. A quick note beside the name of each of the wells on the attached list will be sufficient for our purposes.

Thank you for your prompt consideration of this matter. We appreciate any assistance you can provide us.

Sincerely,


John R. Baza
Petroleum Engineer

sb
Attachment
cc: D. R. Nielson
R. J. Firth
Well Files
0258T-89-90

Attachment
February 2, 1987

Chuska Energy Company
San Juan County, Utah
NOG 8308-1033:

Navajo Tribal 41-13 /
NE NE, Sec.13, T.42S, R.24E, Returned (See encl.)
API NO. 43-037-31222

Navajo Tribal 13-8 /
NW SW, Sec.8, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31223

Navajo Tribal 32-18 /
SW NE, Sec.18, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31229

NOG 8505-1087:

Navajo Tribal A 24-29
SE SW, Sec.29, T43S, R.25E, Approval rescinded 1/22/87 (see encl.)
API NO. 43-037-31195

Navajo Tribal A 23-24
NE SW, Sec.24, T.41S, R.23E, Need Archeological Clearance
API NO. 43-037-31216

Navajo Tribal A 33-30 /
NW SE, Sec.30, T.41S, R.24E, Returned (See encl.)
API NO. 43-037-31218

Navajo Tribal A 3325-24
NW SE, Sec.24, T.41S, R.25E, Returned (See encl.)
API NO. 43-037-31219

Navajo Tribal A 13-34 /
NW SW, Sec.34, T.40S, R.24E, Returned (See encl.)
API NO. 43-037-31228



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538-5340

021003

February 18, 1987

Chuska Energy Company
P.O. Box 2118
Farmington, New Mexico 87499

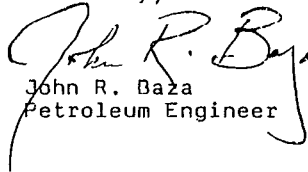
Gentlemen:

RE: Well No. Navajo Tribal 13-8, Sec.8, T.42S, R.25E,
San Juan County, Utah, API NO. 43-037-31223

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Farmington
D. R. Nielson
R. J. Firth
Well file
0327T-49

574223